

# SAFETY DATA SHEET

## FURAKOTE EW

Date of Issue: 11<sup>th</sup> July 2018

### 1. SUBSTANCE/PREPARATION AND COMPANY IDENTIFICATION

**Chemical name of active ingredient(s):** Furathiocarb

**Recommended use:** Nematicide for seed treatment

**Supplier:** Agrisource 2000 Limited  
45 Kitchener Road  
Pukekohe  
Phone: 09 237 0422

**Emergency telephone number:** 0800 Poison (0800 764 766) 24 Hours

### 2. HAZARDS IDENTIFICATION

**Hazard Classifications:** 6.1B, 6.1C, 6.3B, 6.4A, 6.5B, 6.9A, 9.1A, 9.2B, 9.3A, 9.4A

**Required identification Details:** **TOXIC**  
**Keep out of the reach of children**  
**ECOTOXIC**  
6.1B,C: Toxic – may be fatal if swallowed, inhaled or absorbed through the skin  
6.3B: Warning - may cause mild skin irritation  
6.4A: Warning - may cause eye irritation  
6.5B: Warning - may cause an allergic skin reaction  
6.9A: Toxic – may cause target organ damage from repeated oral exposure at high doses  
9.1A: Toxic to aquatic organisms with long lasting effects  
9.2B: Toxic to the soil environment  
9.3A: Very toxic to terrestrial vertebrates  
9.4A: Very Toxic to terrestrial invertebrates

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### Substance/preparation Information on hazardous ingredients

Common name	CAS No	%
furathiocarb	65907-30-4	40-45%
Emulsifying agents	Proprietary	5-15%
Other ingredients (non-hazardous)	Proprietary	1-5
Water	7732-18-5	Balance

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## 4. FIRST-AID MEASURES

**Description of necessary first aid measures:** In case of poisoning by any exposure route contact the National Poisons and Hazardous Chemicals Information Centre, PO Box 913, Dunedin. **Phone 0800 764 766, (0800 POISON).**

**Effects and symptoms:**

Regular exposure may result in lowering of cholinesterase activity, typical symptoms are; numbness, tingling sensations, headache, dizziness, tremor, nausea, stomach cramps, sweating, difficulty breathing and slow heartbeat.

**First-aid measures**

**Inhalation:**

If inhaled, move the victim to fresh air immediately. Begin artificial respiration if breathing has stopped. Use mouth to nose rather than mouth to mouth. Obtain medical attention.

**Ingestion:**

Wash out mouth with water. Keep patient at rest. DO NOT induce vomiting. Transport patient to doctor quickly. Give one atropine tablet every 5 minutes until dryness of the mouth occurs.

**Skin contact:**

Immediately remove contaminated clothing. Wash affected areas with soap and water. Seek urgent medical aid. Persons assisting the patient should protect themselves from contamination.

**Eye contact:**

If concentrate gets in the eyes, flush with running water for at least 15 minutes and obtain urgent medical aid.

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## 5. FIRE-FIGHTING MEASURES

**HAZCHEM Code:**

2XE

**Extinguishing media :**

Carbon dioxide (CO<sub>2</sub>), powder, foam

**Fire Hazard Properties:**

In a fire, Nitrous gases, nitric-acid decomposition products, carbon oxides, sulphur oxides, nitrogen oxides and sulphuric-acid decomposition products may be formed.

**Protection of fire-fighters:**

Wear protective clothing and self contained breathing apparatus. Do not breathe smoke or gases. Do Not allow extinguishing media to discharge into soil, sewage system and surface waters.

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## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions:**

Avoid contact with skin and eyes. Do not inhale spray. Wear long sleeved shirt, long pants, waterproof gloves and safety goggles or face shield. Do not eat, drink or smoke when using. Wash hands and face before meals and after work.

**Environmental precautions:**

Do NOT allow spilled product or wash solution to enter sewers, drains, dams, creeks or any other waterways.

**Methods for cleaning up:**

In the case of spillage, contain spilled material. Keep out animals and unprotected persons. Keep material out of streams and sewers. Vacuum or shovel waste into a drum.

To decontaminate spill area, tools and equipment, wash with water. Dispose of drummed wastes in accordance with the requirements of Local Authorities

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## 7. HANDLING AND STORAGE

### Handling:

When mixing or applying, avoid breathing any vapors, contact with skin, eyes or clothing. Wear protective clothing, gloves, respiratory protection and goggles. Do not eat or drink while using. Wash hands and face before meals and after work. Wash protective clothing after work.

### Storage:

Store in original container tightly closed and in a locked, dry, cool, well ventilated area, away from feed, seeds and foodstuffs. Keep out of reach of children. Store in accordance with the New Zealand Standard for the Management of Agrichemicals (NZS8409).

### Packaging materials:

HDPE Plastic drum.

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Workplace Exposure Guidelines

#### Workplace exposure standards:

No exposure limit allocated.

#### Exposure Standards outside: The workplace:

No exposure standards have been set for this product or the active ingredients.

### Engineering measures

#### Exposure control measures:

Ensure ventilation is adequate, generally natural ventilation is adequate.  
Local exhaust ventilation should be provided if material is handled in confined areas.

### Personal Protective Equipment

#### Detail specifications for equipment:

##### Respiratory system:

Where insufficient ventilation, use suitable respiratory protection.

##### Skin and body:

When opening the container, preparing spray and using prepared spray wear cotton overalls buttoned to the neck and wrist and a washable hat, elbow-length PVC gloves and goggles.

##### Hands:

Elbow-length and PVC gloves

##### Eyes:

Wear chemical goggles.

##### General hygiene:

Avoid inhaling aerosols and vapours. Avoid contact with eyes and skin. Store work clothes and street clothes separately. Wash hand before breaks and at the end of work. Change contaminated protective clothing. Keep away from food, drinks and tobacco.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical State:</b>	Liquid
<b>Colour:</b>	Beige
<b>Odour:</b>	Characteristic, faint lemon
<b>pH:</b>	6.5 -7.5
<b>Vapour Pressure:</b>	N/A
<b>Vapour density:</b>	N/A
<b>Boiling Point:</b>	N/A
<b>Freezing Point:</b>	Below -5°C
<b>Melting Point:</b>	N/A
<b>Solubility:</b>	Mixes with water
<b>Specific gravity or density:</b>	Approx. 1.03
<b>Flashpoint:</b>	> 93° C
<b>Explosion properties:</b>	Not an explosive
<b>Oxidation properties:</b>	Not an oxidizer

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## 10. STABILITY AND REACTIVITY

<b>Stability:</b>	Stable under normal conditions of use.
<b>Conditions to avoid:</b>	Temperatures >30°C and Sources of ignition.
<b>Materials to avoid:</b>	Oxidising agents, strong acids.
<b>Hazardous decomposition Products:</b>	Nitrous gases, nitric-acid decomposition products, carbon oxides, sulphur oxides, nitrogen oxides and sulphuric-acid decomposition products
<b>Hazardous reactions :</b>	Dangerous reactions are possible with strong oxidizing

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## 11. TOXICOLOGICAL INFORMATION

<b>Acute toxicity – Oral : LD<sub>50</sub></b>	53mg/kg (rat) 327mg/kg (mouse)
<b>Acute toxicity - Dermal : LD<sub>50</sub></b>	>2000mg/kg (rat)
<b>Acute toxicity – Inhalation: LC<sub>50</sub></b>	0.214mg/l air, 4hrs (rat)
<b>Skin irritation :</b>	Slight skin irritant (rabbit)
<b>Eye irritation:</b>	Slight eye irritant (rabbit)
<b>Sensitization :</b>	Not available
<b>Chronic toxicity</b>	Regular exposure may result in lowering of cholinesterase activity, typical symptoms are; numbness, tingling sensations, headache, dizziness, tremor, nausea, stomach cramps, sweating, difficulty breathing and slow heartbeat.

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## 12. ECOLOGICAL INFORMATION

<b>Fish toxicity:</b>	LC50 (96 hr): 0.03-0.12mg/l rainbow trout, carp.
<b>Daphnia toxicity:</b>	LC50 1.8 UG/l (48hr)
<b>Algae toxicity:</b>	Not Available
<b>Bird toxicity:</b>	LD50 oral <25mg/kg quail and mallard
<b>Bee toxicity:</b>	Toxic to bees
<b>Earthworm toxicity:</b>	Not Available
<b>Soil, Water, Air:</b>	Not Available

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## 13. DISPOSAL CONSIDERATIONS

**Methods of disposal :** Ideally, the product should be used for its intended purpose. If there is a need to dispose of the product, follow the recommendations in NZS 8409.

**CONTAINER DISPOSAL:** Triple rinse drum and add rinsate to mixing tank. Contact Agrecovery rural recycling programme for free drum collection on 0800 AGRECOVERY (0800 247 766). Do not use drum for any other purpose.

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## 14. TRANSPORT INFORMATION - International transport regulations

<b>UN number:</b>	2992
<b>UN Hazard Class:</b>	6.1
<b>Packing Group:</b>	II
<b>Hazchem Code:</b>	2XE
<b>Marine Pollutant:</b>	Yes
<b>Proper shipping name :</b>	CARBAMATE PESTICIDE, LIQUID, TOXIC (contains furathiocarb 40%)

### INTERNATIONAL AIR TRANSPORT ASSOCIATION (IATA):

Classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.

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## 15. REGULATORY INFORMATION

<b>ACVM Registered Number:</b>	<b>P8367</b> (See <a href="http://www.foodsafety.govt.nz/acvm">www.foodsafety.govt.nz/acvm</a> for registration Conditions).
<b>HSNO Approval Code:</b>	<b>HSR000943</b> (See <a href="http://www.ermanz.govt.nz">www.ermanz.govt.nz</a> for controls).
<b>Approved Handler:</b>	This product must be under the personal control of an approved handler or secured.

**Tracking:**

Location and movement of this product must be recorded at each stage of its lifecycle.

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**16. OTHER INFORMATION****Disclaimer EXCLUSION OF LIABILITY: PLEASE READ**

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